

Application Number 10/534344
Response to the Office Action dated April 30, 2008

RECEIVED
CENTRAL FAX CENTER

JUL 24 2008

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (Currently Amended) A method for deuteration of a heterocyclic ring, which comprises subjecting a compound having a heterocyclic ring to a sealed refluxing state in a deuterated solvent in the presence of an activated catalyst ~~selected from a palladium catalyst, a platinum catalyst, a rhodium catalyst, a ruthenium catalyst, a nickel catalyst and a cobalt catalyst.~~
2. (Canceled)
3. (Currently Amended) The method for deuteration according to claim 2~~1~~, wherein the activated palladium catalyst is an activated palladium carbon.
4. (Currently Amended) The method for deuteration according to claim 1, wherein the activated palladium catalyst ~~selected from a palladium catalyst, a platinum catalyst, a rhodium catalyst, a ruthenium catalyst, a nickel catalyst and a cobalt catalyst~~ is one activated with hydrogen gas or heavy hydrogen gas present in a deuteration reaction system.
5. (Currently Amended) The method for deuteration according to ~~of~~ claim 1 ~~[[4]]~~, wherein the deuterated solvent is heavy water (D₂O).
6. (Currently Amended) The method for deuteration according to ~~of~~ claim 1, wherein the heterocyclic ring of the compound having a heterocyclic ring is a 3 to 20 membered ring.